

IN THE CLAIMS

1-30. (cancelled)

31. (currently amended) A receiving apparatus ~~of a digital broadcasting~~ for receiving a digital broadcasting signal constructed by a transport stream in which video data and audio data have been compressed and multiplexed, comprising:

a decoder for decoding said received digital broadcasting signal;

a digital interface for receiving a transport stream from an external reproducing apparatus having both analog and digital recording and reproducing modes;

a format converter circuit for outputting the decoded broadcasting signal from said receiving apparatus in a format for display on a monitor to a user; and

a display processing circuit for displaying control panel information for allowing station selection and recording and reproduction control of a program recorded on a recording medium loaded in said external reproducing apparatus by a predetermined format,

wherein when said external recording apparatus is in the analog reproducing mode, said display processing circuit prevents ~~the~~ said format converter circuit from outputting display of the received digital decoded broadcasting signal to the user, and when said external recording apparatus is in the analog recording mode, said display processing circuit prevents ~~the~~ said format converter circuit from outputting display of the received digital decoded broadcasting signal from said format converter circuit only during the displaying of said control panel information; and

wherein when said external recording apparatus is in the digital recording mode, ~~the~~ said format converter circuit

~~displays the decoded digital broadcasting signal is displayed whether or not the control panel information is displayed, and wherein when said external recording apparatus is in the analog recording mode, said display processing circuit prevents the display of the received digital broadcasting signal only during display of said control panel information.~~

32. (previously presented) An apparatus according to claim 31, wherein an alarm message is displayed to the user when said display processing circuit prevents the display of the received digital broadcasting signal to the user.

33. (previously presented) An apparatus according to claim 32, wherein said alarm message indicates that said external recording apparatus is under analog reproduction and that the digital broadcasting signal cannot be displayed.

34. (previously presented) An apparatus according to claim 31, wherein the analog recording mode includes a stop mode, a recording pause mode and record mode.

35. (currently amended) A display method of a receiving apparatus of a digital broadcasting, comprising:

receiving in the receiving apparatus a digital broadcasting signal constructed by a transport stream in which video data and audio data have been compressed and multiplexed;

decoding in the receiving apparatus said received digital broadcasting signal;

receiving in the receiving apparatus a transport stream from an external reproducing apparatus through a digital interface, the external reproducing apparatus having both analog and digital recording and reproducing modes;

displaying an alarm message during a recording mode of the external reproducing apparatus indicating that a new station of the digital broadcasting signal cannot be selected during

display of a control panel normally allowing a user to select a new station, during (i) digital recording, and (ii) analog recording modes of stop, recording pause and record, by the showing that a recording mode of a program recorded on a recording medium loaded in the external reproducing apparatus indicates an analog recording or a digital recording; and

displaying an alarm message upon attempted reproduction from the external recording apparatus, through the receiving apparatus, of a program recorded in the analog mode when the external reproducing apparatus is in the digital reproduction mode.

36-40. (cancelled)

41. (currently amended) A receiving apparatus ~~of a digital broadcasting~~ for receiving a digital broadcasting signal constructed by a transport stream in which video data and audio data have been compressed and multiplexed, comprising:

a decoder for decoding said received digital broadcasting signal;

a digital interface for receiving a transport stream from an external reproducing apparatus having both analog and digital recording and reproducing modes;

a format converter circuit for outputting the decoded broadcasting signal from said receiving apparatus in a format for display on a monitor to a user; and

a display processing circuit for displaying control panel information for allowing station selection and recording and reproduction control of a program recorded on a recording medium loaded in said external reproducing apparatus by a predetermined format;

wherein when said external recording apparatus is in the digital recording mode, ~~the~~ said format converter circuit

displays the decoded~~digital~~ broadcasting signal ~~is displayed~~ whether or not the control panel information is displayed; and

wherein when said external recording apparatus is in the analog recording mode, said display processing circuit prevents the said format converter circuit from outputting display of the received digital decoded broadcasting signal from said format converter circuit only during the displaying of said control panel information.

42. (previously presented) An apparatus according to claim 41, wherein an alarm message is displayed to the user when said display processing circuit prevents the display of the received digital broadcasting signal to the user.

43. (previously presented) An apparatus according to claim 42, wherein said alarm messages indicates that said external recording apparatus is under analog reproduction and that the digital broadcasting signal cannot be displayed.

44. (previously presented) An apparatus according to claim 41, wherein the analog recording mode includes a stop mode, a recording pause mode and record mode.

45-51. (cancelled)

52. (currently amended) A receiving apparatus ~~of a digital broadcasting~~—for receiving a digital broadcasting signal constructed by a transport stream in which video data and audio data have been compressed and multiplexed, comprising:

a decoder for decoding said received digital broadcasting signal;

a digital interface for receiving the transport stream from an external reproducing apparatus;

a CPU programmed for retrieving information associated with a program recorded on a recording medium loaded in said

reproducing apparatus from a memory in said reproducing apparatus; and

a display processing circuit for displaying the information associated with the program recorded on the recording medium loaded in said reproducing apparatus by a predetermined format,

wherein in the case where a digital signal reproduced by said reproducing apparatus and received through said digital interface is not able to be decoded in said decoder, said display processing circuit performs a display process so as to display a message showing that the program recorded on the recording medium loaded in said reproducing apparatus is recorded in a recording mode in which said digital signal cannot be decoded by said receiving apparatus of said digital broadcasting.

53. (currently amended) A receiving apparatus ~~of a digital broadcasting~~ for receiving a digital broadcasting signal constructed by a transport stream in which video data and audio data have been compressed and multiplexed, comprising:

a decoder for decoding said received digital broadcasting signal;

a digital interface for receiving the transport stream from an external reproducing apparatus, the external reproducing apparatus having both analog and digital recording and reproducing modes; and

a display processing circuit for displaying an alarm message during a recording mode of the external reproducing apparatus indicating that a new station of the digital broadcasting signal cannot be selected during display of a control panel normally allowing a user to select a new station, during (i) digital recording, and (ii) analog recording modes of stop, recording pause and record, by showing that the recording mode of the program recorded on the recording medium loaded in

said external reproducing apparatus—~~indicates an analog recording or a digital recording~~, the display processing circuit further displaying an alarm message upon attempted reproduction from the external recording apparatus, through the receiving apparatus, of a program recorded in the analog mode when the external reproducing apparatus is in the digital reproduction mode.

54-57. (cancelled).

58. (currently amended) A receiving apparatus ~~of a digital broadcasting~~ for receiving a digital broadcasting signal constructed by a transport stream in which video data and audio data have been compressed and multiplexed, comprising:

a decoder for decoding said received digital broadcasting signal;

a digital interface for receiving a transport stream from a reproducing apparatus; and

a display processing circuit for displaying information associated with a program recorded in a predetermined compression format on a recording medium loaded in said reproducing apparatus,

wherein in the case where the digital signal reproduced by said reproducing apparatus and received through said digital interface is not able to be decoded in said decoder, said display processing circuit performs a display process so as to display a message showing that the program recorded on the recording medium loaded in said reproducing apparatus is recorded in a compression mode in which said digital signal cannot be decoded by said receiving apparatus.

59. (previously presented) An apparatus according to claim 58, wherein said information associated with said program includes at least one of a channel number of the program, a

program name, a genre, a date of the recording, and a recording time.

60. (previously presented) An apparatus according to claim 58, wherein said information associated with said program includes recording position information of the program on the recording medium.

61. (previously presented) An apparatus according to claim 58, wherein said information associated with said program is overlapped to a reproduction signal from said reproducing apparatus and displayed.

62. (previously presented) An apparatus according to claim 58, wherein said information associated with said program includes information of a recording mode of said recorded program.

63. (currently amended) A receiving apparatus ~~of a digital broadcasting~~ for receiving a digital broadcasting signal constructed by a transport stream in which video data and audio data have been compressed and multiplexed, comprising:

a decoder for decoding said received digital broadcasting signal;

a digital interface for receiving the transport stream from an external reproducing apparatus; and

a display processing circuit for displaying information associated with a program recorded in a predetermined transport stream format on a recording medium loaded in said reproducing apparatus,

wherein in the case where the digital signal reproduced by said reproducing apparatus and received through said digital interface is not able to be decoded in said decoder, said display processing circuit performs a display process so as to display a message indicating that the program recorded on the

recording medium loaded in said reproducing apparatus is recorded in a format wherein said digital signal cannot be decoded by said receiving apparatus.

64. (previously presented) An apparatus according to claim 63, wherein said information associated with said program includes at least one of a channel number of the program, a program name, a genre, a date of the recording, and a recording time.

65. (previously presented) An apparatus according to claim 63, wherein said information associated with said program includes recording position information of the program on the recording medium.

66. (previously presented) An apparatus according to claim 63, wherein said information associated with said program is overlapped to a reproduction signal from said reproducing apparatus and displayed.

67. (previously presented) An apparatus according to claim 63, wherein said information associated with said program includes information of a recording mode of said recorded program.

68. (currently amended) A display method of recording program associated information in a receiving apparatus of a digital broadcasting, comprising:

receiving a digital broadcasting signal constructed by a transport stream in which video data and audio data have been compressed and multiplexed;

decoding said received digital broadcasting signal;

receiving a transport stream from an external reproducing apparatus through a digital interface and having both analog and digital recording and reproducing modes;

outputting the decoded broadcasting signal from said receiving apparatus by a format converter circuit within the receiving apparatus in a format for display on a monitor to a user;

displaying control panel information for allowing station selection and recording and reproduction control of a program recorded on a recording medium loaded in said external reproducing apparatus by a predetermined format;

wherein when said external recording apparatus is in the analog reproducing mode, the display of the ~~received digital~~ decoded broadcasting signal to the user is prevented by the format converter circuit, and when said external recording apparatus is in the analog recording mode, the display of the ~~received digital~~ decoded broadcasting signal is prevented only during the displaying of said control panel information by the format converter circuit; and

wherein when said external recording apparatus is in the digital recording mode, the digital broadcasting signal is displayed by the format converter circuit whether or not the control panel information is displayed, ~~and wherein when said external recording apparatus is in the analog recording mode, said display processing circuit prevents the display of the received digital broadcasting signal only during display of said control panel information.~~

69. (currently amended) A display method of recording program associated information in a receiving apparatus of a digital broadcasting, comprising:

receiving a digital broadcasting signal constructed by a transport stream in which video data and audio data have been compressed and multiplexed;

decoding said received digital broadcasting signal;

receiving a transport stream from an external reproducing apparatus having both analog and digital recording and reproducing modes through a digital interface;

outputting the decoded broadcasting signal from said receiving apparatus by a format converter circuit within the receiving apparatus in a format for display on a monitor to a user;

displaying control panel information for allowing station selection and recording and reproduction control of a program recorded on a recording medium loaded in said external reproducing apparatus by a predetermined format;

wherein when said external recording apparatus is in the digital recording mode, the digital broadcasting signal is displayed by the format converter circuit whether or not the control panel information is displayed; and

wherein when said external recording apparatus is in the analog recording mode, the display of the ~~received digital~~ decoded broadcasting signal is prevented only during the displaying of said control panel information by the format convert circuit.

70. (previously presented) A method according to claim 69, wherein an alarm message is displayed to the user when the display of the received digital broadcasting signal to the user is prevented.

71. (cancelled)

72. (previously presented) A display method of recording program associated information in a receiving apparatus of a digital broadcasting, comprising:

receiving a digital broadcasting signal constructed by a transport stream in which video data and audio data have been compressed and multiplexed;

decoding said received digital broadcasting signal;
receiving the transport stream from an external reproducing apparatus through a digital interface;
reading out information associated with a program recorded on a recording medium loaded in said reproducing apparatus from a memory in said reproducing apparatus; and
displaying the information associated with the program recorded on the recording medium loaded in said reproducing apparatus by a predetermined format,
wherein in said displaying the information, when a digital signal reproduced in said reproducing apparatus and received through a digital interface is not able to be decoded in said decoding step, a display process is performed so as to display a message showing that the program recorded on the recording medium loaded in said reproducing apparatus indicates the recording mode in which the digital signal cannot be decoded.